

## Curriculum Vitae

Nicole E. Medina

### Education

#### **Bachelor of Science, Chemistry (1995)**

Emmanuel College, Boston, MA

Coursework included: organic, physical, & biochemistry, physics, and calculus.

#### **Research Project: (1994)**

In-Vivo Mapping of Cocaine Metabolites in Biological Fluids

Conducted at Massachusetts State Police Crime Lab, Toxicology Department

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### Employment

#### **Chemist I State Laboratory Institute (2004-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for forensic drug analysis
- Successfully completed an eight week training in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

#### **Research Associate (September 2001 – October 2004)**

Wolfe Laboratories, Newton & Watertown, MA

- Provide broad-based support across all research projects
- Operate DSC, TGA, Karl Fischer, UV-Vis, and HPLC
- Performed product complaint testing for identity and concentration
- Performed long term API stability and pre-formulation studies in a GMP lab
- Performed solubility studies and qualified methods for RP-HPLC
- Perform leadership role in office and laboratory management

#### **Laboratory Technician (January 1996 - April 1997)**

Gillette, Boston, MA

- Research & development of proprietary colloidal and emulsion shaving products
- Received training in aerosol product development
- Developed knowledge of facility operating procedures GMP/GLP, including stability studies of prototype products; conducted all relevant stability tests.